

CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Audit Information:

Utility: California City PWS ID: 1510032
System Type: Potable Audit Period: Calendar 2016
Utility Representation: Craig Platt, Toby Layton, Art VanDang
Validation Date: 8/11/2017 Call Time: 9am Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 37 Data Validity Band (Level): Band II (26-50)
ILI: 4.66 Real Loss: 2,379.77 (gal/mile-main/day) Apparent Loss: 81.02 (gal/conn/day)
Non-revenue water as percent of cost of operating system: 68.2%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Validator Information:

Water Audit Validator: Steve Cavanaugh / Jeff Cappadona (support) Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

Validator Provided

CA-NV AWWA Water Loss Technical Assistance Program

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Water System Name: California City

Water System ID Number: 1510032

Water Audit Period: Calendar 2016

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

The City has replaced all of its water production meters and is currently in the third year of replacing the customer base meter system with RMR meters. All production wells have been upgraded to PFD's or soft starts and outfitted with PRV to eliminate pressure spikes. 1.5 million was spent to install a transmission line connecting production wells to the city's main water tank and installed two PRV's that supplies water to the city's largest water zone to reduced system pressure and reduce mainline and service failures due to the ageing infrastructure. Have completed the installation of a new SCADA System. Have started system main and service replacement projects. Have purchased a new AWWA meter test bench.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Tom Weil

City Manager

9-29-2017

Executive Name (Print)

Executive Position

Signature

Date

Utility Provided